Color Block System Overview

The Color Block's modular design and comprehensive range of fixing options allows users to easily create a complete LED system using stock of just one generic fixture type - including battens, blinders and various mounting configurations using the built in fixing. Each block features four sets of 3 high output LEDs which produce an intense, powerful light and vibrant colours across the spectrum.

Designed to be intelligent both inside and out, the modular blocks incorporate the latest HSI (Hue, Saturation and Intensity) control as well as RGB, and Variable Effects Engine software which gives the lighting designer full control over colour and effects combinations.

The product's lightweight yet robust, heavy gauge aluminium extruded construction houses a discreet cable management system and additional protection is built around the LED lenses for a truly road proof fixture.

Color Block PSU

The Color Block PSU supplies power and data for up to 5 Color Block fixtures via a XLR4 connector. The units daisy-chain to a maximum of 5 Color Blocks per Color Block PSU. Each chain must return to the PSU from the last unit as shown below. The total cable length of each chain must not exceed 60mtrs.

Note: *maximum of 5 Color Block fixtures to each PSU*

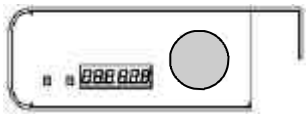
Connection Cables

The Color Block utilises an XLR 4-pin cable system. This is used to supply power and control data. Pin 1 = 0VDC, pin 2 = control minus, pin 3 = control plus, pin 4 = +48VDC. The chassis should be ground bonded.

Control Menu

The Color Block PSU access' menu items via the red LED display and the following controls:

- Right hand button = Enter (hold for 2 seconds to save)
- Left hand button = Exit without saving
- Wheel = Adjusts values or cycles through menu items



Menu Options

- **Adr###** **(DMX Address)** To set the DMX start address of the Color Block PSU, press Enter, turn wheel to adjust DMX start address, press Enter for 2 seconds to save.
- **contrl** **(Control)** The Color Block PSU can be set to operate in various DMX controlled modes. We offer 3 grouping options (individual, block, all) with 3 control options on each (FX, HSI & RGB) see table below for details. Press Enter, turn wheel to select control mode, press Enter for 2 seconds to save.

  Mode 1 (67ch) - Individually grouped with FX - HSI
  Mode 2 (60ch) - Individually grouped no FX- HSI
  Mode 3 (60ch) - Individually grouped no FX - RGB
  Mode 4 (21ch) - Block grouped with FX - HSI
  Mode 5 (15ch) - Block grouped no FX - HSI
  Mode 6 (15ch) - Block grouped no FX - RGB
  Mode 7 (9ch) - All grouped with FX - HSI
  Mode 8 (3) - All grouped no FX - HSI
  Mode 9 (3) - All grouped no FX - RGB
- **out2 #** **(Out2 address)** The Color Block fixtures are self addressing in order of connection. However if the XLR4 OUT2 is used a fixture number offset can be selected. Press Enter, turn wheel to select offset 1-5, press Enter for 2 seconds to save.
- **Looc** **(Look)** The Colour Block has 9 internal FX memories for standalone operation . To replay a Look, press Enter and scroll through the 9 Looks. To record a Look, DMX must be present. Press Enter, scroll to desired Look. Press Enter to enter the desired Look location and press Enter for 2 seconds to save.
  Note: *DMX has priority over internal Looks. For recording/editing Looks without a separate console, please see the full User manual available from www.aclighting.com.*
- **LoSt** **(Lost DMX)** If DMX is not detected the following output options can be selected: Off, Hold output, Look1-9. Press Enter, turn wheel to selection, press Enter for 2 seconds to save.
- **diSP##** **(Display)** The LED can be set to Off after 5 seconds. Press Enter, turn wheel to selection, press Enter for 2 seconds to save.
- **rESEt** **(Reset)** Press Enter for 2 seconds to reset all menu items to factory defaults: DMX address = 001, Control = 1, Out2 = 1, default 9 Looks, Lost = Hold, Display = On

	Grouped individually			Grouped as Blocks			Grouped as One		
Mode	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Ch1	Group	Hue1	Red1	Speed	Hue1	Red1	Speed	Hue1	Red1
Ch2	Speed	Sat.1	Green1	Fan	Sat.1	Green1	Fan	Sat.1	Green1
Ch3	Fan	Int.1	Blue1	Range	Int.1	Blue1	Range	Int.1	Blue1
Ch4	Range	Hue2	Red2	Step	Hue2	Red2	Step		
Ch5	Step	Sat.2	Green2	Int. FX	Sat.2	Green2	Int. FX		
Ch6	Int. FX	Int.2	Blue2	Int. Fan	Int.2	Blue2	Int. Fan		
Ch7	Int. Fan	Hue3	Red3	Hue1	Hue3	Red3	Hue1		
Ch8	Hue1	Sat.3	Green3	Sat.1	Sat.3	Green3	Sat.1		
Ch9	Sat.1	Int.3	Blue3	Int.1	Int.3	Blue3	Int.1		
Ch10	Int.1	Hue3	Red4	Hue2	Hue3	Red4			
Ch11	Hue2	Sat.3	Green4	Sat.2	Sat.3	Green4			
Ch12	Sat.2	Int.3	Blue4	Int.2	Int.3	Blue4			
Ch13	Int.2	Hue.4	Red5	Hue3	Hue.4	Red5			
	and so on up to:								
Total	67ch	60ch	60ch	21ch	15ch	15ch	9ch	3ch	3ch